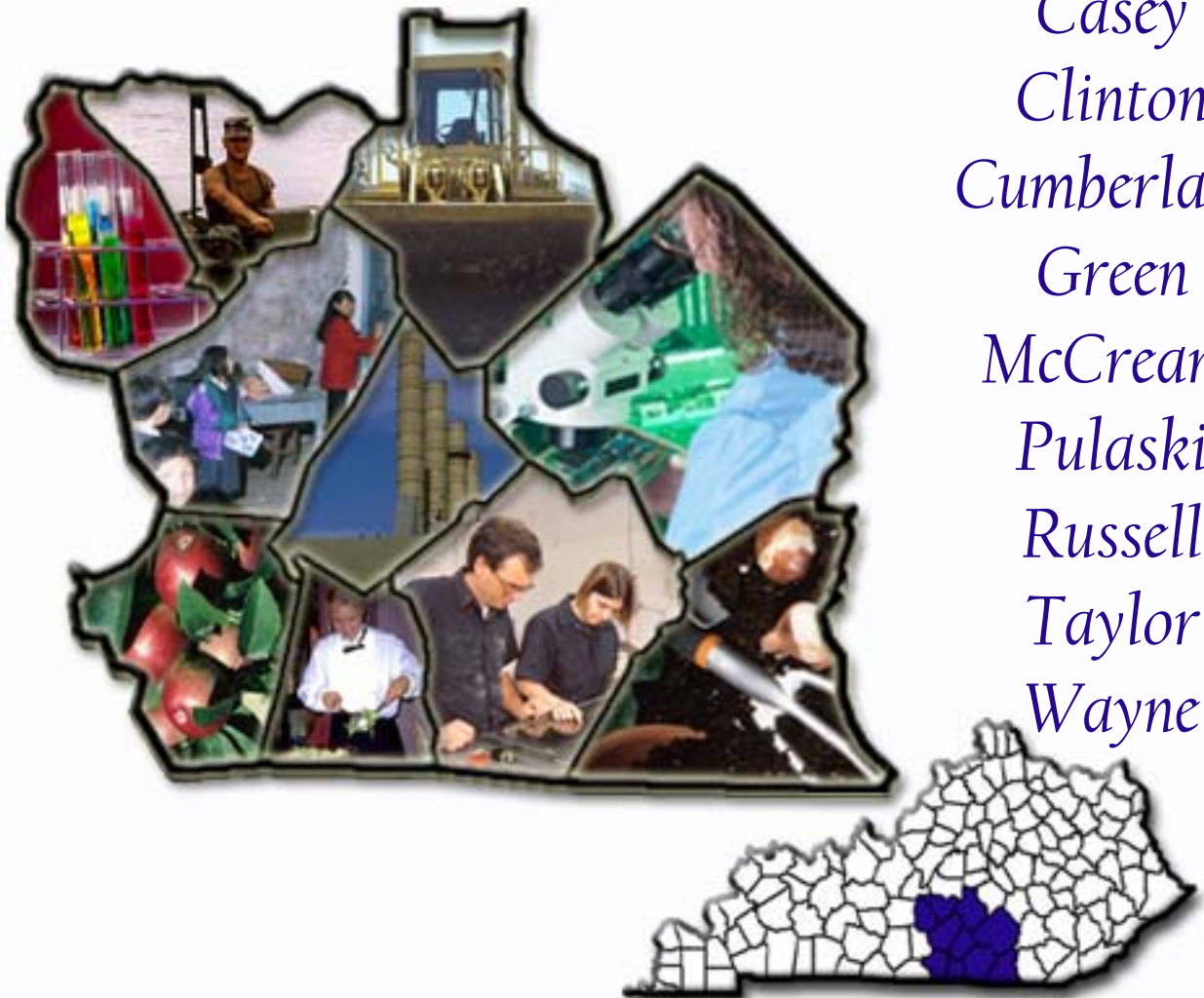


Lake Cumberland Area Occupational Outlook to 2010

Adair
Casey
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Cumberland
Green
McCreary
Pulaski
Russell
Taylor
Wayne



Education Cabinet
Department for Employment Services
Frankfort, Kentucky 40621

LAKE CUMBERLAND AREA OCCUPATIONAL OUTLOOK TO 2010

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PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyriple Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Lake Cumberland Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Lake Cumberland Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Lake Cumberland Area occupations with the most annual job openings and the 44 fastest-growing Lake Cumberland Area occupations. The Lake Cumberland Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Lake Cumberland Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Lake Cumberland Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Lake Cumberland Area employment is expected to grow from 76,015 to 84,594 between 2000 and 2010, a gain of 11.3 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 2,645.
- ✓ Growth in employment will make available about 858 job openings annually.
- ✓ Approximately 1,787 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 32 percent of job openings will result from growth, and the remaining 68 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Sales and Related Occupations (311), followed by the Office and Administrative Support Occupations (299), and the Food Preparation and Serving Related Occupations (284).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Lake Cumberland Area are Cost Estimators (61%), Personal and Home Care Aides (57%), Network and Computer Systems Administrators (56%) and Medical Assistants (56%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (46%), the Legal Occupations (30%), and the Healthcare Support Occupations (28%).
- ✓ The top two Lake Cumberland Area occupations with the most annual job openings are Combined Food Preparation and Serving Workers (149) and Cashiers (146).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Lake Cumberland Area Occupations With The Most Annual Job Openings

		Job Openings		
		Average Annual		
		2000-2010		
Occupation Code	Occupational Title	Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General and Operations Managers	14	19	33
11-9012	Farmers and Ranchers	0	19	19
<u>Education, Training, and Library Occupations</u>				
25-9041	Teacher Assistants	22	25	47
25-2021	Elementary School Teachers, Ex. Special Ed.	4	21	25
25-2031	Sec. School Teach., Ex. Special & Voc. Ed.	5	17	22
<u>Healthcare Practitioners & Tech. Occupations</u>				
29-1111	Registered Nurses	16	20	36
29-2061	Licensed Practical & Licensed Vocational Nurse	14	18	32
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies, and Attendants	39	20	59
31-1011	Home Health Aides	14	6	20
<u>Food Preparation & Serving Related Occupations</u>				
35-3021	Combined Food Preparation & Serving Workers	63	86	149
35-2012	Cooks, Institution and Cafeteria	7	31	38
35-2021	Food Preparation Workers	6	16	22
35-3031	Waiters and Waitresses	6	13	19
35-3022	Counter Attendants, Cafeteria, Food Concession	2	12	14
<u>Building, Grounds Cleaning & Maintenance Occs</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	32	30	62
37-2012	Maids and Housekeeping Cleaners	2	15	17
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	37	54	91
<u>Sales and Related Occupations</u>				
41-2011	Cashiers	37	109	146
41-2031	Retail Salespersons	30	58	88
41-1011	Supervisors of Retail Sales Workers	10	12	22

Top 45
Lake Cumberland Area Occupations With The Most Annual Job Openings (cont'd)

<u>Occupation Code</u>	<u>Occupational Title</u>	<u>Job Openings</u>		
		<u>Average Annual</u>		<u>2000-2010</u>
		<u>Growth</u>	<u>Separations</u>	<u>Total</u>
<u>Office and Administrative Support Occupations</u>				
43-5081	Stock Clerks and Order Fillers	10	44	54
43-9061	Office Clerks, General	12	21	33
43-4171	Receptionists and Information Clerks	11	10	21
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1	18	19
43-3071	Tellers	0	19	19
43-4051	Customer Service Representatives	14	5	19
43-6014	Secretaries, Except Legal, Medical, and Executive	0	18	18
43-3021	Billing and Posting Clerks & Machine Operators	7	10	17
43-9021	Data Entry Keyers	9	8	17
43-1011	Supervisors of Office and Administrative	5	9	14
<u>Construction and Extraction Occupations</u>				
47-2031	Carpenters	22	12	34
47-1011	Supervisors of Construction Trades & Extraction	16	11	27
47-2061	Construction Laborers	10	4	14
<u>Installation, Maintenance & Repair Occupations</u>				
49-3023	Automotive Service Technicians and Mechanics	8	6	14
49-9042	Maintenance and Repair Workers, General	6	8	14
<u>Production Occupations</u>				
51-7011	Cabinetmakers and Bench Carpenters	30	18	48
51-7041	Sawing Machine Setters, Operators & Tenders	24	22	46
51-7042	Woodworking Machine Setter, Operator & Tender	19	20	39
51-4121	Welders, Cutters, Solderers, and Brazers	13	15	28
51-1011	Supervisors of Production and Operating	3	17	20
<u>Transportation and Material Moving Occupations</u>				
53-7062	Laborers, Freight, Stock & Material Movers, Hand	8	53	61
53-3032	Truck Drivers, Heavy and Tractor-Trailer	27	16	43
53-7064	Packers and Packagers, Hand	21	18	39
53-3033	Truck Drivers, Light or Delivery Services	12	15	27
53-7063	Machine Feeders and Offbearers	5	18	23

Top 45
Fast-Growing Lake Cumberland Area Occupations

Occupation Code		Fast Growing Occupations		Total		
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	Percent	Average Annual 2000-2010
Occupational Title						
<u>Management Occupations</u>						
11-3021	Computer and Information Systems Managers	45	61	16	35.6	3
11-9031	Education Admin, Preschool, Child Care Center	60	80	20	33.3	4
11-3071	Transportation, Storage & Distribution Managers	70	92	22	31.4	3
11-2022	Sales Managers	100	127	27	27.0	5
<u>Business and Financial Operations Occupations</u>						
13-1051	Cost Estimators	114	184	70	61.4	10
<u>Computer and Mathematical Occupations</u>						
15-1071	Network and Computer Systems Administrators	55	86	31	56.4	3
<u>Community and Social Services Occupations</u>						
21-1093	Social and Human Service Assistants	162	241	79	48.8	10
21-1022	Medical and Public Health Social Workers	59	76	17	28.8	3
21-1012	Educational, Vocational & School Counselors	118	150	32	27.1	5
<u>Education, Training, and Library Occupations</u>						
25-2041	Special Ed. Teachers, Preschool to Elem.	146	185	39	26.7	6
<u>Healthcare Practitioners & Tech. Occupations</u>						
29-2071	Medical Records & Health Information Tech.	87	125	38	43.7	6
29-1041	Optometrists	35	49	14	40.0	2
29-1062	Family and General Practitioners	72	97	25	34.7	4
29-1063	Internists, General	67	89	22	32.8	3
29-1123	Physical Therapists	62	82	20	32.3	4
29-2052	Pharmacy Technicians	136	177	41	30.1	8
29-1126	Respiratory Therapists	86	110	24	27.9	4
<u>Healthcare Support Occupations</u>						
31-9092	Medical Assistants	109	170	61	56.0	9
31-9094	Medical Transcriptionists	87	123	36	41.4	6
31-2021	Physical Therapist Assistants	31	42	11	35.5	2
31-1011	Home Health Aides	473	617	144	30.4	20

Top 45
Fast-Growing Lake Cumberland Area Occupations (cont'd)

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	Percent	Average Annual 2000-2010
<u>Food Preparation & Serving Related Occupations</u>						
35-3021	Combined Food Preparation & Serving Workers	1,410	2,038	628	44.5	149
35-2014	Cooks, Restaurant	75	97	22	29.3	4
35-3031	Waiters and Waitresses	226	284	58	25.7	19
<u>Personal Care and Service Occupations</u>						
39-9021	Personal and Home Care Aides	37	58	21	56.8	3
<u>Office and Administrative Support Occupations</u>						
43-4051	Customer Service Representatives	543	681	138	25.4	19
<u>Construction and Extraction Occupations</u>						
47-2111	Electricians	179	241	62	34.6	9
47-2031	Carpenters	680	903	223	32.8	34
47-1011	Supervisors of Construction Trades & Extraction	498	657	159	31.9	27
47-2211	Sheet Metal Workers	86	112	26	30.2	5
47-2152	Plumbers, Pipefitters, and Steamfitters	102	130	28	27.5	5
<u>Installation, Maintenance & Repair Occupations</u>						
49-3023	Automotive Service Technicians and Mechanics	236	318	82	34.7	14
49-3051	Motorboat Mechanics	46	58	12	26.1	2
<u>Production Occupations</u>						
51-7011	Cabinetmakers and Bench Carpenters	571	870	299	52.4	48
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	38	57	19	50.0	3
51-7041	Sawing Machine Setters, Operators & Tenders	556	794	238	42.8	46
51-7042	Woodworking Machine Setter, Operator, Tender	499	691	192	38.5	39
51-2091	Fiberglass Laminators and Fabricators	32	42	10	31.3	2
51-9022	Grinding and Polishing Workers, Hand	48	63	15	31.3	3
<u>Transportation and Material Moving Occupations</u>						
53-7032	Excavating, Loading Mach. & Dragline Operator	157	215	58	36.9	11
53-7061	Cleaners of Vehicles and Equipment	122	164	42	34.4	9
53-7081	Refuse and Recyclable Material Collectors	62	82	20	32.3	5
53-7064	Packers and Packagers, Hand	709	915	206	29.1	39
53-1031	Supervisors of Transportation, Material Moving	82	104	22	26.8	4
53-1021	Supervisors of Helpers, Laborers & Material	123	154	31	25.2	6

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

Occupational		Employment 2000 2010		Job Growth 2000 2010		Average Annual Job Openings			Average Wage	Education/ Training Required *
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	
<p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 35 should help locate a specific occupation within the tables.</i></p>		<p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p>		<p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> 		<p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p>			<p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p>	<p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 34 of this report.</i></p>

Lake Cumberland Area

Management Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010 Growth	Average Annual 2000-2010 Separations	Average Annual 2000-2010 Total		
00-0000 Total, All Occupations		76,015	84,594	8,579	11.3	858	1,787	2,645	n/a	n/a
11-0000 Management Occupations		8,203	8,113	-90	-1.1	0	106	106	n/a	n/a
11-1000	Top Executives	1,312	1,466	154	11.7	15	25	40	n/a	n/a
11-1011	Chief Executives	164	174	10	6.1	1	5	6	44.88	4
11-1021	General and Operations Managers	1,148	1,292	144	12.5	14	19	33	23.30	4
11-2000	Advertising, Marketing, Promotions, PR & Sales	206	251	45	21.8	5	3	8	n/a	n/a
11-2011	Advertising and Promotions Managers	39	46	7	17.9	1	1	2	24.72	4
11-2020	Marketing and Sales Managers	142	171	29	20.4	3	2	5	n/a	n/a
11-2021	Marketing Managers	42	44	2	4.8	0	1	1	25.22	4
11-2022	Sales Managers	100	127	27	27.0	3	2	5	22.92	4
11-2031	Public Relations Managers	*	*	*	*	*	*	*	20.17	4
11-3000	Operations Specialties Managers	668	757	89	13.3	9	12	21	n/a	n/a
11-3011	Administrative Services Managers	64	68	4	6.3	0	1	1	23.83	4
11-3021	Computer and Information Systems Managers	45	61	16	35.6	2	1	3	23.99	4
11-3031	Financial Managers	256	295	39	15.2	4	4	8	20.01	4
11-3040	Human Resources Managers	53	50	-3	-5.7	0	1	1	23.66	4
11-3051	Industrial Production Managers	124	130	6	4.8	1	2	3	23.98	5
11-3061	Purchasing Managers	56	61	5	8.9	1	2	3	16.58	4
11-3071	Transportation, Storage & Distribution Managers	70	92	22	31.4	2	1	3	23.09	8
11-9000	Other Management Occupations	6,017	5,639	-378	-6.3	0	67	67	n/a	n/a
11-9010	Agricultural Managers	3,367	2,741	-626	-18.6	0	19	19	n/a	n/a
11-9011	Farm, Ranch, and Other Agricultural Managers	*	*	*	*	*	*	*	n/a	4
11-9012	Farmers and Ranchers	3,347	2,723	-624	-18.6	0	19	19	n/a	9
11-9021	Construction Managers	85	105	20	23.5	2	1	3	34.64	5
11-9030	Education Administrators	274	306	32	11.7	3	7	10	n/a	4
11-9031	Education Admin, Preschool & Child Care Center	60	80	20	33.3	2	2	4	14.65	4
11-9032	Education Admin, Elementary, Secondary School	157	163	6	3.8	1	4	5	n/a	4
11-9041	Engineering Managers	55	55	0	0.0	0	1	1	31.42	4
11-9051	Food Service Managers	195	243	48	24.6	5	2	7	14.52	8
11-9081	Lodging Managers	31	28	-3	-9.7	0	0	0	10.16	8
11-9111	Medical and Health Services Managers	128	148	20	15.6	2	2	4	25.24	4
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	25.05	4
11-9131	Postmasters and Mail Superintendents	43	37	-6	-14.0	0	1	1	20.72	8
11-9141	Property, Real Estate & Community Assn Manag.	*	*	*	*	*	*	*	11.83	5
11-9151	Social and Community Service Managers	115	135	20	17.4	2	2	4	18.15	5
11-9199	Managers, All Other	1,676	1,789	113	6.7	11	30	41	26.84	8

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Business & Financial Operations Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	2000-2010 Separations	2000-2010 Total		
13-0000	Business and Financial Operations Occupations	1,073	1,251	178	16.6	18	22	40	n/a	n/a
13-1000	Business Operations Specialists	654	750	96	14.7	10	15	25	n/a	n/a
13-1020	Buyers and Purchasing Agents	109	116	7	6.4	1	3	4	n/a	n/a
13-1021	Purchasing Agents and Buyers, Farm Products	*	*	*	*	*	*	*	17.81	8
13-1023	Purchasing Agents, Ex. Wholesale, Retail	67	73	6	9.0	1	1	2	16.10	5
13-1041	Compliance Officer, Ex. Ag., Construction, Health	86	81	-5	-5.8	0	2	2	17.30	9
13-1051	Cost Estimators	114	184	70	61.4	7	3	10	15.70	5
13-1070	Human Res., Training & Labor Relations Spec.	134	151	17	12.7	2	3	5	n/a	n/a
13-1071	Employment, Recruitment, and Placement Spec.	35	34	-1	-2.9	0	1	1	20.50	5
13-1072	Compensation, Benefits, and Job Analysis Spec.	*	*	*	*	*	*	*	16.39	5
13-1073	Training and Development Specialists	87	105	18	20.7	2	2	4	23.22	5
13-1199	Business Operations Specialists, All Other	161	162	1	0.6	0	4	4	19.98	5
13-2000	Financial Specialists	419	501	82	19.6	8	8	16	n/a	n/a
13-2011	Accountants and Auditors	190	234	44	23.2	4	3	7	18.20	5
13-2031	Budget Analysts	*	*	*	*	*	*	*	20.84	5
13-2050	Financial Analysts and Advisors	34	45	11	32.4	1	0	1	n/a	n/a
13-2070	Loan Counselors and Officers	100	104	4	4.0	0	2	2	n/a	n/a
13-2072	Loan Officers	80	80	0	0.0	0	2	2	17.23	5
13-2099	Financial Specialists, All Other	*	*	*	*	*	*	*	22.59	5

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Computer & Mathematical Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
15-0000	Computer and Mathematical Occupations	273	398	125	45.8	13	2	15	n/a	n/a
15-1000	Computer Specialists	272	398	126	46.3	13	2	15	n/a	n/a
15-1030	Computer Software Engineers	*	*	*	*	*	*	*	n/a	n/a
15-1031	Computer Software Engineers, Applications	*	*	*	*	*	*	*	31.36	5
15-1032	Computer Software Eng., Systems Software	*	*	*	*	*	*	*	21.45	5
15-1041	Computer Support Specialists	*	*	*	*	*	*	*	13.62	6
15-1071	Network and Computer Systems Administrators	55	86	31	56.4	3	0	3	20.84	5
15-1099	Computer Specialists, All Other	*	*	*	*	*	*	*	13.23	7

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Architecture & Engineering Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	Average Annual Separations	Average Annual Total		
17-0000	Architecture and Engineering Occupations	449	469	20	4.5	2	9	11	n/a	n/a
17-1000	Architects, Surveyors, and Cartographers	87	109	22	25.3	2	1	3	n/a	n/a
17-1010	Architects, Except Naval	73	93	20	27.4	2	0	2	n/a	n/a
17-1020	Surveyors, Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	n/a
17-2000	Engineers	178	171	-7	-3.9	0	4	4	n/a	n/a
17-2070	Electrical and Electronics Engineers	*	*	*	*	*	*	*	n/a	n/a
17-2110	Industrial Engineers, Including Health and Safety	48	41	-7	-14.6	0	1	1	n/a	n/a
17-2111	Health & Safety Engineers, Ex. Mining Safety Eng.	*	*	*	*	*	*	*	22.82	5
17-2141	Mechanical Engineers	46	47	1	2.2	0	1	1	26.32	5
17-3000	Drafters, Engineering, and Mapping Technicians	184	189	5	2.7	1	5	6	n/a	n/a
17-3010	Drafters	53	59	6	11.3	1	2	3	n/a	n/a
17-3020	Engineering Technicians, Except Drafters	85	75	-10	-11.8	0	2	2	n/a	n/a
17-3023	Electrical & Electronic Engineering Technicians	*	*	*	*	*	*	*	24.97	6

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Life, Physical & Social Science Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
19-0000	Life, Physical, and Social Science Occupations	182	191	9	4.9	1	5	6	n/a	n/a
19-1000	Life Scientists	52	51	-1	-1.9	0	2	2	n/a	n/a
19-1010	Agricultural and Food Scientists	*	*	*	*	*	*	*	24.05	5
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	24.05	2
19-1030	Conservation Scientists and Foresters	39	38	-1	-2.6	0	1	1	n/a	n/a
19-1031	Conservation Scientists	*	*	*	*	*	*	*	24.94	5
19-1032	Foresters	*	*	*	*	*	*	*	20.35	5
19-2000	Physical Scientists	*	*	*	*	*	*	*	n/a	n/a
19-2040	Environmental Scientists and Geoscientists	*	*	*	*	*	*	*	n/a	n/a
19-2041	Environmental Scientists & Spec., Inc. Health	*	*	*	*	*	*	*	24.05	5
19-3000	Social Scientists and Related Workers	81	94	13	16.0	1	2	3	n/a	n/a
19-3031	Clinical, Counseling, and School Psychologists	39	48	9	23.1	1	1	2	18.87	3
19-3090	Misc. Social Scientists & Related Workers	32	35	3	9.4	0	1	1	n/a	n/a
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	*	19.06	n/a
19-4000	Life, Physical, and Social Science Technicians	44	41	-3	-6.8	0	2	2	n/a	n/a
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4090	Misc. Life, Physical & Social Science Technicians	40	37	-3	-7.5	0	2	2	n/a	n/a
19-4093	Forest and Conservation Technicians	36	33	-3	-8.3	0	1	1	13.58	6

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Community & Social Services Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
21-0000	Community and Social Services Occupations	1,571	1,849	278	17.7	28	27	55	n/a	n/a
21-1000	Counselors, Social Workers & Other Community	1,100	1,330	230	20.9	23	15	38	n/a	n/a
21-1010	Counselors	223	260	37	16.6	4	5	9	n/a	n/a
21-1012	Educational, Vocational, and School Counselors	118	150	32	27.1	3	2	5	21.61	3
21-1020	Social Workers	650	760	110	16.9	11	7	18	n/a	n/a
21-1021	Child, Family, and School Social Workers	444	504	60	13.5	6	5	11	13.76	5
21-1022	Medical and Public Health Social Workers	59	76	17	28.8	2	1	3	14.73	5
21-1090	Misc. Community and Social Service Specialists	227	310	83	36.6	8	3	11	n/a	n/a
21-1091	Health Educators	44	45	1	2.3	0	1	1	14.70	3
21-1093	Social and Human Service Assistants	162	241	79	48.8	8	2	10	9.85	10
21-2000	Religious Workers	443	487	44	9.9	4	12	16	n/a	n/a
21-9000	Misc. Counselors, Social, & Religious Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Legal Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	Average Annual Separations	Average Annual Total		
23-0000	Legal Occupations	128	166	38	29.7	4	1	5	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	75	98	23	30.7	2	1	3	n/a	n/a
23-2000	Legal Support Workers	36	51	15	41.7	2	0	2	n/a	n/a
23-9000	Miscellaneous Legal & Related Workers	*	*	*	*	*	*	*	n/a	n/a
23-9099	Legal and Related Workers, All Other	*	*	*	*	*	*	*	14.55	5

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Education, Training & Library Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
25-0000	Education, Training, and Library Occupations	5,233	5,868	635	12.1	64	108	172	n/a	n/a
25-1000	Postsecondary Teachers	603	734	131	21.7	13	16	29	n/a	n/a
25-1020	Math and Computer Teachers, Postsecondary	50	60	10	20.0	1	1	2	n/a	n/a
25-1022	Mathematical Science Teachers, Postsec. #	*	*	*	*	*	*	*	24.30	2
25-1040	Life Sciences Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	n/a
25-1042	Biological Science Teachers, Postsecondary #	*	*	*	*	*	*	*	30.62	2
25-1050	Physical Sciences Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	n/a
25-1052	Chemistry Teachers, Postsecondary #	*	*	*	*	*	*	*	24.57	2
25-1110	Law, Criminal Just., Social Work Teach., Postsec.	*	*	*	*	*	*	*	n/a	n/a
25-1120	Arts, Comm. & Humanities Teachers, Postsec.	95	115	20	21.1	2	3	5	n/a	n/a
25-1122	Communications Teachers, Postsecondary #	*	*	*	*	*	*	*	23.97	2
25-1190	Miscellaneous Postsecondary Teachers	302	369	67	22.2	7	8	15	n/a	n/a
25-2000	Primary, Secondary & Special Ed. Teachers	2,613	2,809	196	7.5	20	57	77	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	350	394	44	12.6	4	4	8	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	291	332	41	14.1	4	4	8	8.87	5
25-2012	Kindergarten Teachers, Ex. Special Education #	59	62	3	5.1	0	1	1	23.58	5
25-2020	Elementary and Middle School Teachers	1,359	1,398	39	2.9	4	31	35	n/a	n/a
25-2021	Elementary School Teachers, Ex. Special Ed. #	927	962	35	3.8	4	21	25	24.42	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed. #	428	431	3	0.7	0	10	10	25.07	5
25-2023	Vocational Education Teachers, Middle School #	*	*	*	*	*	*	*	27.77	n/a
25-2030	Secondary School Teachers	603	655	52	8.6	5	18	23	n/a	n/a
25-2031	Sec. School Teach., Ex. Special & Voc. Ed. #	561	611	50	8.9	5	17	22	24.58	5
25-2032	Vocational Education Teach., Sec. School #	42	44	2	4.8	0	1	1	27.98	5
25-2040	Special Education Teachers	301	362	61	20.3	6	4	10	n/a	n/a
25-2041	Special Ed. Teachers, Preschool to Elem. #	146	185	39	26.7	4	2	6	22.49	5
25-2042	Special Education Teachers, Middle School #	67	76	9	13.4	1	1	2	22.80	5
25-2043	Special Ed. Teachers, Secondary School #	88	101	13	14.8	1	1	2	23.97	5
25-3000	Other Teachers and Instructors	688	772	84	12.2	8	7	15	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	*	*	*	*	*	*	*	11.92	5
25-3999	Teachers, Primary, Secondary & Adult, All Other #	646	711	65	10.1	7	7	14	15.16	5
25-4000	Librarians, Curators, and Archivists	93	94	1	1.1	0	2	2	n/a	n/a
25-4021	Librarians	*	*	*	*	*	*	*	20.18	3
25-4031	Library Technicians	*	*	*	*	*	*	*	9.85	11

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Lake Cumberland Area

Education, Training & Library Occs. (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
25-9000	Other Education, Training & Library Occupations	1,236	1,459	223	18.0	22	26	48	n/a	n/a
25-9031	Instructional Coordinators	33	38	5	15.2	1	1	2	23.54	3
25-9041	Teacher Assistants #	1,181	1,399	218	18.5	22	25	47	9.97	11
25-9199	Library, Museum, Training, Ed. Work, All Other	*	*	*	*	*	*	*	13.23	5

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Lake Cumberland Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	2000-2010 Separations	2000-2010 Total		
27-0000	Arts, Design, Entertainment, Sports & Media Occs	1,053	1,281	228	21.7	23	20	43	n/a	n/a
27-1000	Art and Design Workers	96	115	19	19.8	2	1	3	n/a	n/a
27-1020	Designers	87	105	18	20.7	2	1	3	n/a	n/a
27-1024	Graphic Designers	*	*	*	*	*	*	*	13.34	5
27-2000	Entertain., Performers, Sports & Related Work.	714	877	163	22.8	16	14	30	n/a	n/a
27-2040	Musicians, Singers, and Related Workers	657	817	160	24.4	16	12	28	n/a	n/a
27-3000	Media and Communication Workers	121	134	13	10.7	1	3	4	n/a	n/a
27-3031	Public Relations Specialists	*	*	*	*	*	*	*	14.33	5
27-3040	Writers and Editors	50	63	13	26.0	1	1	2	n/a	n/a
27-4000	Media and Communication Equipment Workers	122	155	33	27.0	3	3	6	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
29-0000	Healthcare Practitioners & Tech. Occupations	3,389	4,110	721	21.3	72	77	149	n/a	n/a
29-1000	Health Diagnosing and Treating Practitioners	1,740	2,100	360	20.7	36	37	73	n/a	n/a
29-1041	Optometrists	35	49	14	40.0	1	1	2	41.06	n/a
29-1051	Pharmacists	135	161	26	19.3	3	4	7	36.42	1
29-1060	Physicians and Surgeons	159	210	51	32.1	5	2	7	n/a	1
29-1062	Family and General Practitioners	72	97	25	34.7	3	1	4	66.75	1
29-1063	Internists, General	67	89	22	32.8	2	1	3	63.75	1
29-1065	Pediatricians, General	*	*	*	*	*	*	*	48.43	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	67.24	1
29-1067	Surgeons	*	*	*	*	*	*	*	68.46	1
29-1111	Registered Nurses	982	1,143	161	16.4	16	20	36	19.03	6
29-1120	Therapists	290	350	60	20.7	6	7	13	n/a	n/a
29-1122	Occupational Therapists	43	52	9	20.9	1	1	2	24.70	5
29-1123	Physical Therapists	62	82	20	32.3	2	2	4	26.71	3
29-1126	Respiratory Therapists	86	110	24	27.9	2	2	4	16.39	6
29-1127	Speech-Language Pathologists	90	96	6	6.7	1	2	3	20.39	3
29-2000	Health Technologists and Technicians	1,579	1,919	340	21.5	34	38	72	n/a	n/a
29-2010	Clinical Laboratory Technologists & Technicians	168	194	26	15.5	3	4	7	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	67	74	7	10.4	1	2	3	16.23	5
29-2012	Medical and Clinical Laboratory Technicians	101	120	19	18.8	2	2	4	13.20	6
29-2030	Diagnostic Related Technologists & Technicians	147	175	28	19.0	3	3	6	n/a	n/a
29-2034	Radiologic Technologists and Technicians	134	160	26	19.4	3	3	6	14.59	6
29-2041	Emergency Medical Technicians & Paramedics	138	153	15	10.9	2	4	6	9.58	7
29-2050	Health Diag. & Treating Pract. Support Tech.	245	296	51	20.8	5	6	11	n/a	n/a
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	7.03	10
29-2052	Pharmacy Technicians	136	177	41	30.1	4	4	8	9.34	10
29-2053	Psychiatric Technicians	38	36	-2	-5.3	0	1	1	7.97	n/a
29-2054	Respiratory Therapy Technicians	33	41	8	24.2	1	1	2	12.46	7
29-2055	Surgical Technologists	*	*	*	*	*	*	*	13.71	7
29-2061	Licensed Practical & Licensed Vocational Nurse	702	845	143	20.4	14	18	32	12.18	7
29-2071	Medical Records & Health Information Tech.	87	125	38	43.7	4	2	6	9.48	6
29-9000	Other Healthcare Pract. & Technical Occs	70	91	21	30.0	2	2	4	n/a	n/a
29-9010	Occupational Health, Safety Specialists & Tech.	56	75	19	33.9	2	2	4	14.10	5
29-9090	Misc. Health Practitioners and Technical Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
31-0000	Healthcare Support Occupations	2,605	3,330	725	27.8	73	40	113	n/a	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	2,033	2,569	536	26.4	54	26	80	n/a	n/a
31-1010	Nursing, Psychiatric, and Home Health Aides	2,033	2,569	536	26.4	54	26	80	n/a	n/a
31-1011	Home Health Aides	473	617	144	30.4	14	6	20	7.05	11
31-1012	Nursing Aides, Orderlies, and Attendants	1,550	1,940	390	25.2	39	20	59	7.55	11
31-2000	Occupational, Physical Therapist Assist. & Aides	48	65	17	35.4	2	1	3	n/a	n/a
31-2020	Physical Therapist Assistants and Aides	47	64	17	36.2	2	1	3	n/a	n/a
31-2021	Physical Therapist Assistants	31	42	11	35.5	1	1	2	16.31	6
31-9000	Other Healthcare Support Occupations	524	696	172	32.8	17	13	30	n/a	n/a
31-9090	Miscellaneous Healthcare Support Occupations	513	684	171	33.3	17	13	30	n/a	n/a
31-9092	Medical Assistants	109	170	61	56.0	6	3	9	9.81	10
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	8.70	11
31-9094	Medical Transcriptionists	87	123	36	41.4	4	2	6	9.85	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	7.94	11
31-9099	Healthcare Support Workers, All Other	153	174	21	13.7	2	4	6	7.38	11

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
33-0000	Protective Service Occupations	657	727	70	10.7	7	17	24	n/a	n/a
33-1000	Supervisors, Protective Service Workers	35	38	3	8.6	0	1	1	n/a	n/a
33-1099	Supervisors, Protective Service Workers	*	*	*	*	*	*	*	19.53	8
33-2000	Fire Fighting and Prevention Workers	32	34	2	6.3	0	1	1	n/a	n/a
33-3000	Law Enforcement Workers	418	476	58	13.9	6	10	16	n/a	n/a
33-3051	Police and Sheriff's Patrol Officers	141	167	26	18.4	3	3	6	12.16	9
33-9000	Other Protective Service Workers	172	179	7	4.1	1	6	7	n/a	n/a
33-9032	Security Guards	137	142	5	3.6	1	4	5	7.94	11
33-9090	Miscellaneous Protective Service Workers	*	*	*	*	*	*	*	n/a	n/a
33-9099	Protective Service Workers, All Other	*	*	*	*	*	*	*	16.79	11

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Food Preparation & Serving Related Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
35-0000	Food Preparation & Serving Related Occupations	4,321	5,262	941	21.8	94	190	284	n/a	n/a
35-1000	Supervisors, Food Prep. & Serving Workers	300	340	40	13.3	4	8	12	n/a	n/a
35-1010	Supervisors, Food Prep. & Serving Workers	300	340	40	13.3	4	8	12	n/a	n/a
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	19.06	7
35-1012	Supervisors of Food Preparation & Serving Work.	294	335	41	13.9	4	8	12	8.40	8
35-2000	Cooks and Food Preparation Workers	1,934	2,107	173	8.9	17	59	76	n/a	n/a
35-2010	Cooks	1,518	1,631	113	7.4	11	43	54	n/a	n/a
35-2011	Cooks, Fast Food	341	362	21	6.2	2	10	12	6.41	11
35-2012	Cooks, Institution and Cafeteria	1,092	1,161	69	6.3	7	31	38	6.71	9
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	75	97	22	29.3	2	2	4	7.90	9
35-2021	Food Preparation Workers	416	476	60	14.4	6	16	22	7.34	11
35-3000	Food and Beverage Serving Workers	1,907	2,634	727	38.1	73	116	189	n/a	n/a
35-3020	Fast Food and Counter Workers	1,566	2,218	652	41.6	65	99	164	n/a	n/a
35-3021	Combined Food Preparation & Serving Workers	1,410	2,038	628	44.5	63	86	149	7.25	11
35-3022	Counter Attendants, Cafeteria, Food Concession	156	180	24	15.4	2	12	14	6.91	11
35-3031	Waiters and Waitresses	226	284	58	25.7	6	13	19	6.02	11
35-3041	Food Servers, Nonrestaurant	110	125	15	13.6	2	5	7	6.19	11
35-9000	Other Food Prep. and Serving Related Workers	180	181	1	0.6	0	7	7	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
37-0000	Building, Grounds Cleaning & Maintenance Occs	2,865	3,252	387	13.5	39	58	97	n/a	n/a
37-1000	Supervisors, Building, Grounds Clean. & Maint.	180	191	11	6.1	1	4	5	n/a	n/a
37-1010	Supervisors, Building and Grounds Cleaning	180	191	11	6.1	1	4	5	n/a	n/a
37-1011	Supervisors of Housekeeping and Janitors	155	163	8	5.2	1	4	5	8.57	8
37-1012	Supervisors of Landscaping, Lawn Service	*	*	*	*	*	*	*	12.61	8
37-2000	Building Cleaning and Pest Control Workers	2,334	2,671	337	14.4	34	45	79	n/a	n/a
37-2010	Building Cleaning Workers	2,334	2,671	337	14.4	34	45	79	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	1,636	1,955	319	19.5	32	30	62	7.59	11
37-2012	Maids and Housekeeping Cleaners	698	716	18	2.6	2	15	17	6.55	11
37-3000	Grounds Maintenance Workers	286	324	38	13.3	4	7	11	n/a	n/a
37-3010	Grounds Maintenance Workers	286	324	38	13.3	4	7	11	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	269	310	41	15.2	4	7	11	8.27	11
37-9000	Misc. Building, Grounds Cleaning & Maintenance	65	66	1	1.5	0	1	1	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
39-0000	Personal Care and Service Occupations	3,130	3,882	752	24.0	75	95	170	n/a	n/a
39-1000	Supervisors, Personal Care & Service Workers	76	90	14	18.4	1	2	3	n/a	n/a
39-1021	Supervisors of Personal Service Workers	76	90	14	18.4	1	2	3	10.39	8
39-2000	Animal Care and Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-3000	Entertainment Attendants and Related Workers	160	183	23	14.4	2	8	10	n/a	n/a
39-3090	Misc. Entertainment Attend. & Related Workers	73	88	15	20.5	2	3	5	n/a	n/a
39-3091	Amusement and Recreation Attendants	34	37	3	8.8	0	1	1	6.20	11
39-4000	Funeral Service Workers	75	88	13	17.3	1	2	3	n/a	n/a
39-5000	Personal Appearance Workers	1,002	1,291	289	28.8	29	25	54	n/a	n/a
39-5010	Barbers and Cosmetologists	957	1,238	281	29.4	28	24	52	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	n/a
39-5090	Miscellaneous Personal Appearance Workers	45	53	8	17.8	1	1	2	n/a	n/a
39-6000	Transportation, Tourism & Lodging Attendants	*	*	*	*	*	*	*	n/a	n/a
39-9000	Other Personal Care and Service Workers	1,797	2,210	413	23.0	41	58	99	n/a	n/a
39-9011	Child Care Workers	1,594	1,964	370	23.2	37	54	91	7.03	11
39-9021	Personal and Home Care Aides	37	58	21	56.8	2	1	3	7.71	11
39-9032	Recreation Workers	*	*	*	*	*	*	*	11.82	5

~ Education/Training Required Codes- Page 34 n/a - Not Available * Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Sales & Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
41-0000	Sales and Related Occupations	6,265	7,182	917	14.6	92	219	311	n/a	n/a
41-1000	Supervisors, Sales Workers	946	1,057	111	11.7	11	14	25	n/a	n/a
41-1010	Supervisors, Sales Workers	946	1,057	111	11.7	11	14	25	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	842	942	100	11.9	10	12	22	11.99	8
41-1012	Supervisors of Non-Retail Sales Workers	104	115	11	10.6	1	2	3	16.50	8
41-2000	Retail Sales Workers	4,289	4,962	673	15.7	67	180	247	n/a	n/a
41-2011	Cashiers	2,407	2,781	374	15.5	37	109	146	6.68	11
41-2020	Counter, Rental Clerks and Parts Salespersons	346	344	-2	-0.6	0	12	12	n/a	n/a
41-2021	Counter and Rental Clerks	131	134	3	2.3	0	6	6	9.13	11
41-2022	Parts Salespersons	215	210	-5	-2.3	0	6	6	7.86	10
41-2031	Retail Salespersons	1,536	1,837	301	19.6	30	58	88	8.30	11
41-3000	Sales Representatives, Services	194	186	-8	-4.1	0	5	5	n/a	n/a
41-3031	Securities, Commodities, Financial Serv. Sales	*	*	*	*	*	*	*	54.80	5
41-4000	Sales Reps, Wholesale and Manufacturing	454	492	38	8.4	4	12	16	n/a	n/a
41-4010	Sales Reps, Wholesale and Manufacturing	454	492	38	8.4	4	12	16	n/a	n/a
41-4012	Sales Reps, Wholesale & Manuf., Ex. Technical	375	399	24	6.4	2	10	12	17.17	10
41-9000	Other Sales and Related Workers	382	485	103	27.0	10	8	18	n/a	n/a
41-9020	Real Estate Brokers and Sales Agents	53	58	5	9.4	1	1	2	n/a	n/a
41-9090	Miscellaneous Sales and Related Workers	201	270	69	34.3	7	5	12	n/a	n/a
41-9099	Sales and Related Workers, All Other	106	129	23	21.7	2	2	4	10.28	10

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-0000	Office and Administrative Support Occupations	10,099	10,808	709	7.0	71	228	299	n/a	n/a
43-1000	Supervisors, Office & Admin. Support Workers	465	513	48	10.3	5	9	14	n/a	n/a
43-1011	Supervisors of Office and Administrative	465	513	48	10.3	5	9	14	14.54	8
43-2000	Communications Equipment Operators	104	80	-24	-23.1	0	3	3	n/a	n/a
43-2011	Switchboard Operators, Inc. Answering Service	101	76	-25	-24.8	0	3	3	8.06	11
43-3000	Financial Clerks	2,011	2,059	48	2.4	5	54	59	n/a	n/a
43-3011	Bill and Account Collectors	111	120	9	8.1	1	3	4	11.37	11
43-3021	Billing and Posting Clerks & Machine Operators	407	481	74	18.2	7	10	17	9.42	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	941	952	11	1.2	1	18	19	10.67	10
43-3051	Payroll and Timekeeping Clerks	116	111	-5	-4.3	0	3	3	11.01	11
43-3061	Procurement Clerks	39	35	-4	-10.3	0	1	1	13.80	11
43-3071	Tellers	397	360	-37	-9.3	0	19	19	8.08	11
43-4000	Information and Record Clerks	1,814	2,106	292	16.1	29	34	63	n/a	n/a
43-4051	Customer Service Representatives	543	681	138	25.4	14	5	19	12.57	10
43-4071	File Clerks	107	120	13	12.1	1	3	4	7.75	11
43-4121	Library Assistants, Clerical	34	35	1	2.9	0	2	2	8.18	11
43-4131	Loan Interviewers and Clerks	69	52	-17	-24.6	0	1	1	9.34	11
43-4151	Order Clerks	107	96	-11	-10.3	0	2	2	9.81	11
43-4161	Human Res. Assist., Ex. Payroll & Timekeeping	52	59	7	13.5	1	1	2	10.70	11
43-4171	Receptionists and Information Clerks	446	555	109	24.4	11	10	21	8.37	11
43-5000	Material Record, Schedule, Dispatch & Distribute	2,285	2,370	85	3.7	9	68	77	n/a	n/a
43-5030	Dispatchers	84	77	-7	-8.3	0	1	1	n/a	n/a
43-5031	Police, Fire, and Ambulance Dispatchers	*	*	*	*	*	*	*	8.48	10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	58	49	-9	-15.5	0	1	1	14.63	10
43-5050	Postal Service Workers	345	294	-51	-14.8	0	10	10	n/a	n/a
43-5051	Postal Service Clerks	59	51	-8	-13.6	0	1	1	18.21	11
43-5052	Postal Service Mail Carriers	246	209	-37	-15.0	0	7	7	17.67	11
43-5053	Postal Service Mail Sorters, Processors	40	34	-6	-15.0	0	1	1	10.25	11
43-5061	Production, Planning, and Expediting Clerks	132	127	-5	-3.8	0	2	2	13.81	11
43-5071	Shipping, Receiving, and Traffic Clerks	343	396	53	15.5	5	7	12	9.97	11
43-5081	Stock Clerks and Order Fillers	1,245	1,345	100	8.0	10	44	54	8.21	11
43-6000	Secretaries and Administrative Assistants	1,689	1,749	60	3.6	6	29	35	n/a	n/a
43-6010	Secretaries and Administrative Assistants	1,689	1,749	60	3.6	6	29	35	n/a	n/a
43-6011	Executive Secretaries & Administrative Assistants	430	458	28	6.5	3	7	10	13.37	10
43-6013	Medical Secretaries	183	208	25	13.7	3	3	6	9.11	7
43-6014	Secretaries, Except Legal, Medical, and Executive	1,036	1,034	-2	-0.2	0	18	18	8.75	10

Lake Cumberland Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-9000	Other Office & Administrative Support Workers	1,731	1,931	200	11.6	20	32	52	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	12.81	10
43-9020	Data Entry and Information Processing Workers	500	590	90	18.0	9	8	17	n/a	n/a
43-9021	Data Entry Keyers	482	575	93	19.3	9	8	17	7.20	10
43-9022	Word Processors and Typists	*	*	*	*	*	*	*	8.17	10
43-9051	Mail Clerks & Mail Machine Ops, Ex. Postal Serv.	35	32	-3	-8.6	0	1	1	8.56	11
43-9061	Office Clerks, General	1,063	1,178	115	10.8	12	21	33	8.34	11
43-9999	Secretaries, Admin. Assist., Other Office Support	81	80	-1	-1.2	0	1	1	11.82	11

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual Growth	Average Annual Separations	Average Annual Total		
45-0000	Farming, Fishing, and Forestry Occupations	308	331	23	7.5	2	8	10	n/a	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Worker	*	*	*	*	*	*	*	n/a	n/a
45-1010	Supervisors of Farming, Fishing, and Forestry	*	*	*	*	*	*	*	n/a	n/a
45-2000	Agricultural Workers	153	164	11	7.2	1	5	6	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	24.38	8
45-2090	Miscellaneous Agricultural Workers	91	104	13	14.3	1	3	4	n/a	n/a
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
45-3000	Fishing and Hunting Workers	66	81	15	22.7	2	2	4	n/a	n/a
45-3010	Fishers and Related Fishing Workers	66	81	15	22.7	2	2	4	n/a	n/a
45-4000	Forest, Conservation, and Logging Workers	47	45	-2	-4.3	0	1	1	n/a	n/a
45-4020	Logging Workers	37	37	0	0.0	0	1	1	n/a	n/a
45-4023	Log Graders and Scalers	*	*	*	*	*	*	*	11.39	n/a
45-9000	Other Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Construction & Extraction Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
47-0000	Construction and Extraction Occupations	3,238	3,920	682	21.1	68	63	131	n/a	n/a
47-1000	Supervisors, Construction & Extraction Workers	498	657	159	31.9	16	11	27	n/a	n/a
47-1011	Supervisors of Construction Trades & Extraction	498	657	159	31.9	16	11	27	21.29	8
47-2000	Construction Trades Workers	2,284	2,809	525	23.0	53	37	90	n/a	n/a
47-2031	Carpenters	680	903	223	32.8	22	12	34	11.31	9
47-2040	Carpet, Floor, and Tile Installers and Finishers	91	90	-1	-1.1	0	2	2	n/a	n/a
47-2041	Carpet Installers	86	84	-2	-2.3	0	1	1	12.04	10
47-2061	Construction Laborers	431	527	96	22.3	10	4	14	9.67	10
47-2070	Construction Equipment Operators	348	427	79	22.7	8	7	15	n/a	n/a
47-2073	Operating Engineers, Other Const. Equip. Ops	297	357	60	20.2	6	7	13	21.70	10
47-2111	Electricians	179	241	62	34.6	6	3	9	14.17	9
47-2141	Painters, Construction and Maintenance	59	67	8	13.6	1	1	2	11.25	10
47-2150	Pipelayers, Plumbers, Pipefitters & Steamfitters	110	139	29	26.4	3	2	5	n/a	n/a
47-2152	Plumbers, Pipefitters, and Steamfitters	102	130	28	27.5	3	2	5	10.10	9
47-2181	Roofers	43	47	4	9.3	0	1	1	12.89	10
47-2211	Sheet Metal Workers	86	112	26	30.2	3	2	5	12.96	10
47-3000	Helpers, Construction Trades	192	174	-18	-9.4	0	10	10	n/a	n/a
47-3010	Helpers, Construction Trades	192	174	-18	-9.4	0	10	10	n/a	n/a
47-4000	Other Construction and Related Workers	228	234	6	2.6	1	4	5	n/a	n/a
47-4051	Highway Maintenance Workers	151	150	-1	-0.7	0	2	2	10.69	10
47-5000	Extraction Workers	36	46	10	27.8	1	1	2	n/a	n/a

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
49-0000	Installation, Maintenance & Repair Occupations	2,789	2,983	194	7.0	19	60	79	n/a	n/a
49-1000	Supervisors of Install., Maint. & Repair Workers	239	272	33	13.8	3	6	9	n/a	n/a
49-1011	Supervisors of Mechanics, Install. & Repair Work	239	272	33	13.8	3	6	9	17.33	8
49-2000	Electrical & Electronic Equipment Mechanics	230	231	1	0.4	0	4	4	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	*	*	*	*	*	*	*	13.88	7
49-2090	Miscellaneous Electrical and Electronic Equip.	166	179	13	7.8	1	3	4	n/a	n/a
49-2093	Electrical & Electronics Installers and Repairers	*	*	*	*	*	*	*	11.56	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	711	862	151	21.2	15	18	33	n/a	n/a
49-3020	Automotive Technicians and Repairers	291	391	100	34.4	10	7	17	n/a	n/a
49-3023	Automotive Service Technicians and Mechanics	236	318	82	34.7	8	6	14	7.83	7
49-3031	Bus, Truck Mechanics & Diesel Engine Spec.	189	207	18	9.5	2	5	7	12.61	7
49-3040	Heavy Vehicle & Mobile Equip. Service Tech.	74	83	9	12.2	1	2	3	n/a	n/a
49-3042	Mobile Heavy Equipment Mechanics, Ex. Engines	66	77	11	16.7	1	2	3	11.29	7
49-3050	Small Engine Mechanics	142	165	23	16.2	2	4	6	n/a	n/a
49-3051	Motorboat Mechanics	46	58	12	26.1	1	1	2	10.91	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	9.16	9
49-3053	Outdoor Power Equip., Other Small Engine Mech.	81	92	11	13.6	1	2	3	8.03	10
49-3090	Misc. Vehicle and Mobile Equipment Mechanics	*	*	*	*	*	*	*	n/a	n/a
49-9000	Other Installation, Maintenance & Repair Occs	1,609	1,618	9	0.6	1	32	33	n/a	n/a
49-9010	Control and Valve Installers and Repairers	106	143	37	34.9	4	4	8	n/a	n/a
49-9021	Heating, Air Conditioning & Refrigeration Mech.	280	230	-50	-17.9	0	3	3	11.28	9
49-9040	Industrial Machinery Installation, Repair & Maint.	795	804	9	1.1	1	13	14	n/a	n/a
49-9042	Maintenance and Repair Workers, General	625	689	64	10.2	6	8	14	11.07	9
49-9043	Maintenance Workers, Machinery	34	35	1	2.9	0	1	1	11.80	9
49-9050	Line Installers and Repairers	159	145	-14	-8.8	0	4	4	n/a	n/a
49-9052	Telecommunications Line Installers & Repairers	89	79	-10	-11.2	0	2	2	18.50	9
49-9090	Misc. Installation, Maintenance & Repair Workers	244	269	25	10.2	3	8	11	n/a	n/a
49-9095	Manufactured Building & Mobile Home Installers	36	43	7	19.4	1	1	2	9.45	10
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	9
49-9098	Helpers--Installation, Maint. & Repair Workers	111	128	17	15.3	2	6	8	9.18	11
49-9099	Installation, Maint. & Repair Workers, All Other	78	78	0	0.0	0	2	2	18.37	9

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Production Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
51-0000	Production Occupations	10,839	10,943	104	1.0	10	259	269	n/a	n/a
51-1000	Supervisors, Production Workers	629	654	25	4.0	3	17	20	n/a	n/a
51-1011	Supervisors of Production and Operating	629	654	25	4.0	3	17	20	15.79	8
51-2000	Assemblers and Fabricators	1,536	1,613	77	5.0	8	30	38	n/a	n/a
51-2020	Electrical, Electronics & Electromech. Assembler	233	206	-27	-11.6	0	6	6	n/a	n/a
51-2031	Engine and Other Machine Assemblers	360	385	25	6.9	3	7	10	8.12	11
51-2090	Miscellaneous Assemblers and Fabricators	877	934	57	6.5	6	15	21	n/a	n/a
51-2091	Fiberglass Laminators and Fabricators	32	42	10	31.3	1	1	2	11.41	10
51-2092	Team Assemblers	514	544	30	5.8	3	9	12	9.16	10
51-3000	Food Processing Workers	904	1,279	375	41.5	38	22	60	n/a	n/a
51-3020	Butchers, Other Meat, Poultry & Fish Processing	869	1,236	367	42.2	37	21	58	n/a	n/a
51-3021	Butchers and Meat Cutters	127	105	-22	-17.3	0	3	3	9.15	9
51-3090	Miscellaneous Food Processing Workers	*	*	*	*	*	*	*	n/a	n/a
51-4000	Metal Workers and Plastic Workers	1,999	2,031	32	1.6	3	49	52	n/a	n/a
51-4010	Computer Control Programmers and Operators	116	92	-24	-20.7	0	4	4	n/a	n/a
51-4020	Forming Machine Setter, Operator & Tender	174	178	4	2.3	0	4	4	n/a	n/a
51-4023	Rolling Machine Setters, Operators & Tenders	40	40	0	0.0	0	1	1	7.72	10
51-4030	Machine Tool Cutting Setter, Operator & Tender	424	411	-13	-3.1	0	10	10	n/a	n/a
51-4031	Cutting, Punching & Press Machine Setters	293	276	-17	-5.8	0	6	6	11.21	10
51-4033	Grind, Lap, Polish & Buffing Machine Tool Setter	*	*	*	*	*	*	*	12.02	10
51-4034	Lathe & Turning Machine Tool Setter, Operator	53	53	0	0.0	0	2	2	10.95	10
51-4041	Machinists	126	128	2	1.6	0	3	3	11.93	9
51-4070	Molders & Molding Machine Setters, Operators	183	176	-7	-3.8	0	4	4	n/a	n/a
51-4072	Molding, Coremaking & Casting Machine Setters	95	96	1	1.1	0	2	2	10.34	10
51-4111	Tool and Die Makers	69	73	4	5.8	0	2	2	14.32	9
51-4120	Welding, Soldering, and Brazing Workers	580	711	131	22.6	13	16	29	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	517	642	125	24.2	13	15	28	10.73	7
51-4122	Welding, Soldering & Brazing Machine Setters	*	*	*	*	*	*	*	14.29	10
51-4190	Miscellaneous Metalworkers & Plastic Workers	280	223	-57	-20.4	0	6	6	n/a	n/a
51-4191	Heat Treating Equip. Setter, Operator & Tender	*	*	*	*	*	*	*	12.92	10
51-5000	Printers	122	97	-25	-20.5	0	3	3	n/a	n/a
51-5020	Printers	122	97	-25	-20.5	0	3	3	n/a	n/a
51-5022	Prepress Technicians and Workers	31	28	-3	-9.7	0	1	1	10.67	9
51-5023	Printing Machine Operators	90	67	-23	-25.6	0	2	2	13.17	10

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Production Occupations (cont'd)

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
51-6000	Textile, Apparel, and Furnishings Workers	2,073	810	-1,263	-60.9	0	30	30	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	227	200	-27	-11.9	0	6	6	6.23	10
51-6031	Sewing Machine Operators	1,341	385	-956	-71.3	0	14	14	7.94	10
51-6060	Textile Machine Setters, Operators, and Tenders	347	150	-197	-56.8	0	6	6	n/a	n/a
51-6090	Misc. Textile, Apparel & Furnishings Workers	97	41	-56	-57.7	0	3	3	n/a	n/a
51-6092	Fabric and Apparel Patternmakers	38	7	-31	-81.6	0	1	1	9.69	9
51-7000	Woodworkers	1,738	2,504	766	44.1	77	65	142	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	571	870	299	52.4	30	18	48	8.52	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	9.30	9
51-7040	Woodworking Machine Setter, Operator & Tender	1,055	1,485	430	40.8	43	42	85	n/a	n/a
51-7041	Sawing Machine Setters, Operators & Tenders	556	794	238	42.8	24	22	46	9.57	10
51-7042	Woodworking Machine Setter, Operator & Tender	499	691	192	38.5	19	20	39	9.01	10
51-8000	Plant and System Operators	286	311	25	8.7	3	9	12	n/a	n/a
51-8010	Power Plant Operator, Distributor & Dispatcher	42	39	-3	-7.1	0	1	1	n/a	n/a
51-8012	Power Distributors and Dispatchers	*	*	*	*	*	*	*	29.08	n/a
51-8031	Water, Liquid Waste Treat. Plant & System Ops	179	204	25	14.0	3	6	9	12.87	9
51-8090	Miscellaneous Plant and System Operators	*	*	*	*	*	*	*	n/a	n/a
51-9000	Other Production Occupations	1,542	1,632	90	5.8	9	35	44	n/a	n/a
51-9020	Crush, Grind, Polish, Mix & Blending Workers	162	188	26	16.0	3	4	7	n/a	n/a
51-9021	Crushing, Grinding & Polishing Machine Setters	33	38	5	15.2	1	1	2	8.63	10
51-9022	Grinding and Polishing Workers, Hand	48	63	15	31.3	2	1	3	8.31	10
51-9041	Extrude, Form, Press & Compacting Mach. Setter	39	44	5	12.8	1	1	2	10.73	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Operators	38	57	19	50.0	2	1	3	13.00	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	446	403	-43	-9.6	0	10	10	10.15	10
51-9071	Jewelers and Precious Stone and Metal Workers	35	36	1	2.9	0	1	1	10.90	7
51-9120	Painting Workers	169	197	28	16.6	3	4	7	n/a	n/a
51-9121	Coating, Painting & Spraying Machine Setters	144	162	18	12.5	2	3	5	11.35	10
51-9130	Photo. Process Work. & Processing Mach. Ops	38	48	10	26.3	1	1	2	n/a	n/a
51-9190	Miscellaneous Production Workers	548	583	35	6.4	4	13	17	n/a	n/a
51-9198	Helpers--Production Workers	260	260	0	0.0	0	7	7	9.12	11
51-9199	Production Workers, All Other	110	109	-1	-0.9	0	2	2	9.79	10

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Lake Cumberland Area

Transportation & Material Moving Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010-2000 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
53-0000	Transportation and Material Moving Occupations	7,345	8,278	933	12.7	93	171	264	n/a	n/a
53-1000	Supervisors, Transp. & Material Moving Workers	210	268	58	27.6	6	5	11	n/a	n/a
53-1021	Supervisors of Helpers, Laborers & Material	123	154	31	25.2	3	3	6	15.05	8
53-1031	Supervisors of Transportation & Material Moving	82	104	22	26.8	2	2	4	18.52	8
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-3000	Motor Vehicle Operators	3,178	3,565	387	12.2	39	50	89	n/a	n/a
53-3020	Bus Drivers	549	513	-36	-6.6	0	14	14	n/a	n/a
53-3022	Bus Drivers, School	544	508	-36	-6.6	0	14	14	10.60	11
53-3030	Driver/Sales Workers and Truck Drivers	2,604	3,026	422	16.2	42	36	78	n/a	n/a
53-3031	Driver/Sales Workers	365	400	35	9.6	4	5	9	10.32	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	1,168	1,436	268	22.9	27	16	43	13.63	10
53-3033	Truck Drivers, Light or Delivery Services	1,071	1,190	119	11.1	12	15	27	8.38	11
53-4000	Rail Transportation Workers	47	35	-12	-25.5	0	2	2	n/a	n/a
53-4010	Locomotive Engineers and Operators	*	*	*	*	*	*	*	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	11
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	n/a	8
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-6000	Other Transportation Workers	66	56	-10	-15.2	0	3	3	n/a	n/a
53-6031	Service Station Attendants	60	49	-11	-18.3	0	3	3	6.81	11
53-7000	Material Moving Workers	3,831	4,342	511	13.3	51	111	162	n/a	n/a
53-7011	Conveyor Operators and Tenders	*	*	*	*	*	*	*	8.17	11
53-7030	Dredge, Excavating & Loading Machine Operator	168	228	60	35.7	6	5	11	n/a	n/a
53-7032	Excavating, Loading Mach. & Dragline Operator	157	215	58	36.9	6	5	11	10.40	10
53-7051	Industrial Truck and Tractor Operators	603	642	39	6.5	4	8	12	10.87	11
53-7060	Laborers and Material Movers, Hand	2,921	3,304	383	13.1	38	93	131	n/a	n/a
53-7061	Cleaners of Vehicles and Equipment	122	164	42	34.4	4	5	9	6.92	11
53-7062	Laborers, Freight, Stock & Material Movers, Hand	1,584	1,666	82	5.2	8	53	61	8.55	11
53-7063	Machine Feeders and Offbearers	506	559	53	10.5	5	18	23	8.52	11
53-7064	Packers and Packagers, Hand	709	915	206	29.1	21	18	39	7.92	11
53-7070	Pumping Station Operators	*	*	*	*	*	*	*	n/a	n/a
53-7081	Refuse and Recyclable Material Collectors	62	82	20	32.3	2	3	5	8.99	11

~ Education/Training Required Codes- Page 34

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

Occupational Title	SOC Code	Page Number
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--- A ---

Accountants and Auditors	13-2011	10
Administrative Services Managers	11-3011	9
Adult Literacy, Remedial Ed. & GED Teachers	25-3011	16
Advertising and Promotions Managers	11-2011	9
Advertising, Marketing, Promotions, PR & Sales	11-2000	9
Agricultural and Food Science Technicians	19-4011	13
Agricultural and Food Scientists	19-1010	13
Agricultural Inspectors	45-2011	28
Agricultural Managers	11-9010	9
Agricultural Workers	45-2000	28
Agricultural Workers, All Other	45-2099	28
Air Transportation Workers	53-2000	33
Amusement and Recreation Attendants	39-3091	24
Animal Care and Service Workers	39-2000	24
Anthropologists and Archeologists	19-3091	13
Architects, Except Naval	17-1010	12
Architects, Surveyors, and Cartographers	17-1000	12
Art and Design Workers	27-1000	18
Arts, Comm. & Humanities Teachers, Postsec.	25-1120	16
Assemblers and Fabricators	51-2000	31
Automotive Service Technicians and Mechanics	49-3023	30
Automotive Technicians and Repairers	49-3020	30

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Barbers	39-5011	24
Barbers and Cosmetologists	39-5010	24
Bill and Account Collectors	43-3011	26
Billing and Posting Clerks & Machine Operators	43-3021	26
Biological Science Teachers, Postsecondary	25-1042	16
Bookkeeping, Accounting, and Auditing Clerks	43-3031	26
Budget Analysts	13-2031	10
Building Cleaning and Pest Control Workers	37-2000	23
Building Cleaning Workers	37-2010	23
Bus Drivers	53-3020	33
Bus Drivers, School	53-3022	33

Occupational Title	SOC Code	Page Number
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Bus, Truck Mechanics & Diesel Engine Spec.	49-3031	30
Business Operations Specialists	13-1000	10
Business Operations Specialists, All Other	13-1199	10
Butchers and Meat Cutters	51-3021	31
Butchers, Other Meat, Poultry & Fish Processing	51-3020	31
Buyers and Purchasing Agents	13-1020	10

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Cabinetmakers and Bench Carpenters	51-7011	32
Carpenters	47-2031	29
Carpet Installers	47-2041	29
Carpet, Floor, and Tile Installers and Finishers	47-2040	29
Cashiers	41-2011	25
Chefs and Head Cooks	35-1011	22
Chemistry Teachers, Postsecondary	25-1052	16
Chief Executives	11-1011	9
Child Care Workers	39-9011	24
Child, Family, and School Social Workers	21-1021	14
Cleaners of Vehicles and Equipment	53-7061	33
Clinical Laboratory Technologists & Technicians	29-2010	19
Clinical, Counseling, and School Psychologists	19-3031	13
Coating, Painting & Spraying Machine Setters	51-9121	32
Combined Food Preparation & Serving Workers	35-3021	22
Communications Equipment Operators	43-2000	26
Communications Teachers, Postsecondary	25-1122	16
Compensation, Benefits, and Job Analysis Spec.	13-1072	10
Compliance Officer, Ex. Ag., Construction, Health	13-1041	10
Computer and Information Systems Managers	11-3021	9
Computer Control Programmers and Operators	51-4010	31
Computer Operators	43-9011	27
Computer Software Eng., Systems Software	15-1032	11
Computer Software Engineers	15-1030	11
Computer Software Engineers, Applications	15-1031	11
Computer Specialists	15-1000	11
Computer Specialists, All Other	15-1099	11
Computer Support Specialists	15-1041	11
Computer, Auto. Teller & Office Machine Repairer	49-2011	30
Conservation Scientists	19-1031	13

Occupational Title	SOC Code	Page Number
Conservation Scientists and Foresters	19-1030	13
Construction Equipment Operators	47-2070	29
Construction Laborers	47-2061	29
Construction Managers	11-9021	9
Construction Trades Workers	47-2000	29
Control and Valve Installers and Repairers	49-9010	30
Conveyor Operators and Tenders	53-7011	33
Cooks	35-2010	22
Cooks and Food Preparation Workers	35-2000	22
Cooks, Fast Food	35-2011	22
Cooks, Institution and Cafeteria	35-2012	22
Cooks, Private Household	35-2013	22
Cooks, Restaurant	35-2014	22
Cost Estimators	13-1051	10
Counselors	21-1010	14
Counselors, Social Workers & Other Community	21-1000	14
Counter and Rental Clerks	41-2021	25
Counter Attendants, Cafeteria, Food Concession	35-3022	22
Counter, Rental Clerks and Parts Salespersons	41-2020	25
Crush, Grind, Polish, Mix & Blending Workers	51-9020	32
Crushing, Grinding & Polishing Machine Setters	51-9021	32
Customer Service Representatives	43-4051	26
Cutting, Punching & Press Machine Setters	51-4031	31

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Data Entry and Information Processing Workers	43-9020	27
Data Entry Keyers	43-9021	27
Designers	27-1020	18
Diagnostic Related Technologists & Technicians	29-2030	19
Dietetic Technicians	29-2051	19
Dispatchers	43-5030	26
Dispatchers, Except Police, Fire, and Ambulance	43-5032	26
Drafters	17-3010	12
Drafters, Engineering, and Mapping Technicians	17-3000	12
Dredge, Excavating & Loading Machine Operator	53-7030	33
Driver/Sales Workers	53-3031	33
Driver/Sales Workers and Truck Drivers	53-3030	33

Occupational Title	SOC Code	Page Number
--- E ---		
Education Admin, Elementary, Secondary School	11-9032	9
Education Admin, Preschool & Child Care Center	11-9031	9
Education Administrators	11-9030	9
Educational, Vocational, and School Counselors	21-1012	14
Electrical & Electronic Engineering Technicians	17-3023	12
Electrical & Electronic Equipment Mechanics	49-2000	30
Electrical & Electronics Installers and Repairers	49-2093	30
Electrical and Electronics Engineers	17-2070	12
Electrical, Electronics & Electromech. Assembler	51-2020	31
Electricians	47-2111	29
Elementary and Middle School Teachers	25-2020	16
Elementary School Teachers, Ex. Special Ed.	25-2021	16
Emergency Medical Technicians & Paramedics	29-2041	19
Employment, Recruitment, and Placement Spec.	13-1071	10
Engine and Other Machine Assemblers	51-2031	31
Engineering Managers	11-9041	9
Engineering Technicians, Except Drafters	17-3020	12
Engineers	17-2000	12
Entertain., Performers, Sports & Related Work.	27-2000	18
Entertainment Attendants and Related Workers	39-3000	24
Environmental Scientists & Spec., Inc. Health	19-2041	13
Environmental Scientists and Geoscientists	19-2040	13
Excavating, Loading Mach. & Dragline Operator	53-7032	33
Executive Secretaries & Administrative Assistants	43-6011	26
Extraction Workers	47-5000	29
Extrude, Form, Press & Compacting Mach. Setter	51-9041	32

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Fabric and Apparel Patternmakers	51-6092	32
Family and General Practitioners	29-1062	19
Farm, Ranch, and Other Agricultural Managers	11-9011	9
Farmers and Ranchers	11-9012	9
Fast Food and Counter Workers	35-3020	22
Fiberglass Laminators and Fabricators	51-2091	31

Occupational Title	SOC Code	Page Number
File Clerks	43-4071	26
Financial Analysts and Advisors	13-2050	10
Financial Clerks	43-3000	26
Financial Managers	11-3031	9
Financial Specialists	13-2000	10
Financial Specialists, All Other	13-2099	10
Fire Fighting and Prevention Workers	33-2000	21
Fishers and Related Fishing Workers	45-3010	28
Fishing and Hunting Workers	45-3000	28
Food and Beverage Serving Workers	35-3000	22
Food Preparation Workers	35-2021	22
Food Processing Workers	51-3000	31
Food Servers, Nonrestaurant	35-3041	22
Food Service Managers	11-9051	9
Forest and Conservation Technicians	19-4093	13
Forest, Conservation, and Logging Workers	45-4000	28
Foresters	19-1032	13
Forming Machine Setter, Operator & Tender	51-4020	31
Funeral Service Workers	39-4000	24
Furnace, Kiln, Oven, Drier & Kettle Operators	51-9051	32
Furniture Finishers	51-7021	32
--- G ---		
General and Operations Managers	11-1021	9
Graphic Designers	27-1024	18
Grind, Lap, Polish & Buffing Machine Tool Setter	51-4033	31
Grinding and Polishing Workers, Hand	51-9022	32
Grounds Maintenance Workers	37-3000	23
Grounds Maintenance Workers	37-3010	23
--- H ---		
Health & Safety Engineers, Ex. Mining Safety Eng.	17-2111	12
Health Diag. & Treating Pract. Support Tech.	29-2050	19
Health Diagnosing and Treating Practitioners	29-1000	19
Health Educators	21-1091	14

Occupational Title	SOC Code	Page Number
Health Technologists and Technicians	29-2000	19
Healthcare Support Workers, All Other	31-9099	20
Heat Treating Equip. Setter, Operator & Tender	51-4191	31
Heating, Air Conditioning & Refrigeration Mech.	49-9021	30
Heavy Vehicle & Mobile Equip. Service Tech.	49-3040	30
Helpers, Construction Trades	47-3000	29
Helpers, Construction Trades	47-3010	29
Helpers--Installation, Maint. & Repair Workers	49-9098	30
Helpers--Production Workers	51-9198	32
Highway Maintenance Workers	47-4051	29
Home Health Aides	31-1011	20
Human Res. Assist., Ex. Payroll & Timekeeping	43-4161	26
Human Res., Training & Labor Relations Spec.	13-1070	10
Human Resources Managers	11-3040	9
--- I ---		
Industrial Engineers, Including Health and Safety	17-2110	12
Industrial Machinery Installation, Repair & Maint.	49-9040	30
Industrial Production Managers	11-3051	9
Industrial Truck and Tractor Operators	53-7051	33
Information and Record Clerks	43-4000	26
Inspector, Tester, Sorter, Sampler & Weigher	51-9061	32
Installation, Maint. & Repair Workers, All Other	49-9099	30
Instructional Coordinators	25-9031	17
Internists, General	29-1063	19
--- J ---		
Janitors & Cleaners, Ex. Maids & Housekeeping	37-2011	23
Jewelers and Precious Stone and Metal Workers	51-9071	32
--- K ---		
Kindergarten Teachers, Ex. Special Education	25-2012	16

Occupational Title	SOC Code	Page Number
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Laborers and Material Movers, Hand	53-7060	33
Laborers, Freight, Stock & Material Movers, Hand	53-7062	33
Landscaping and Groundskeeping Workers	37-3011	23
Lathe & Turning Machine Tool Setter, Operator	51-4034	31
Laundry and Dry-Cleaning Workers	51-6011	32
Law Enforcement Workers	33-3000	21
Law, Criminal Just., Social Work Teach., Postsec.	25-1110	16
Lawyers, Judges, and Related Workers	23-1000	15
Legal and Related Workers, All Other	23-9099	15
Legal Support Workers	23-2000	15
Librarians	25-4021	16
Librarians, Curators, and Archivists	25-4000	16
Library Assistants, Clerical	43-4121	26
Library Technicians	25-4031	16
Library, Museum, Training, Ed. Work, All Other	25-9199	17
Licensed Practical & Licensed Vocational Nurse	29-2061	19
Life Sciences Teachers, Postsecondary	25-1040	16
Life Scientists	19-1000	13
Life, Physical, and Social Science Technicians	19-4000	13
Line Installers and Repairers	49-9050	30
Loan Counselors and Officers	13-2070	10
Loan Interviewers and Clerks	43-4131	26
Loan Officers	13-2072	10
Locomotive Engineers	53-4011	33
Locomotive Engineers and Operators	53-4010	33
Lodging Managers	11-9081	9
Log Graders and Scalers	45-4023	28
Logging Workers	45-4020	28

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Machine Feeders and Offbearers	53-7063	33
Machine Tool Cutting Setter, Operator & Tender	51-4030	31
Machinists	51-4041	31
Maids and Housekeeping Cleaners	37-2012	23
Mail Clerks & Mail Machine Ops, Ex. Postal Serv.	43-9051	27

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Maintenance and Repair Workers, General	49-9042	30
Maintenance Workers, Machinery	49-9043	30
Managers, All Other	11-9199	9
Manufactured Building & Mobile Home Installers	49-9095	30
Marketing and Sales Managers	11-2020	9
Marketing Managers	11-2021	9
Material Moving Workers	53-7000	33
Material Record, Schedule, Dispatch & Distribute	43-5000	26
Math and Computer Teachers, Postsecondary	25-1020	16
Mathematical Science Teachers, Postsec.	25-1022	16
Mechanical Engineers	17-2141	12
Media and Communication Equipment Workers	27-4000	18
Media and Communication Workers	27-3000	18
Medical and Clinical Laboratory Technicians	29-2012	19
Medical and Clinical Laboratory Technologists	29-2011	19
Medical and Health Services Managers	11-9111	9
Medical and Public Health Social Workers	21-1022	14
Medical Assistants	31-9092	20
Medical Equipment Preparers	31-9093	20
Medical Records & Health Information Tech.	29-2071	19
Medical Secretaries	43-6013	26
Medical Transcriptionists	31-9094	20
Metal Workers and Plastic Workers	51-4000	31
Middle School Teachers, Ex. Special & Voc. Ed.	25-2022	16
Misc. Building, Grounds Cleaning & Maintenance	37-9000	23
Misc. Community and Social Service Specialists	21-1090	14
Misc. Counselors, Social, & Religious Workers	21-9000	14
Misc. Entertainment Attend. & Related Workers	39-3090	24
Misc. Health Practitioners and Technical Workers	29-9090	19
Misc. Installation, Maintenance & Repair Workers	49-9090	30
Misc. Life, Physical & Social Science Technicians	19-4090	13
Misc. Social Scientists & Related Workers	19-3090	13
Misc. Textile, Apparel & Furnishings Workers	51-6090	32
Misc. Vehicle and Mobile Equipment Mechanics	49-3090	30
Miscellaneous Agricultural Workers	45-2090	28
Miscellaneous Assemblers and Fabricators	51-2090	31
Miscellaneous Electrical and Electronic Equip.	49-2090	30
Miscellaneous Food Processing Workers	51-3090	31
Miscellaneous Healthcare Support Occupations	31-9090	20
Miscellaneous Legal & Related Workers	23-9000	15

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Miscellaneous Metalworkers & Plastic Workers	51-4190	31
Miscellaneous Personal Appearance Workers	39-5090	24
Miscellaneous Plant and System Operators	51-8090	32
Miscellaneous Postsecondary Teachers	25-1190	16
Miscellaneous Production Workers	51-9190	32
Miscellaneous Protective Service Workers	33-9090	21
Miscellaneous Sales and Related Workers	41-9090	25
Mobile Heavy Equipment Mechanics, Ex. Engines	49-3042	30
Molders & Molding Machine Setters, Operators	51-4070	31
Molding, Coremaking & Casting Machine Setters	51-4072	31
Motor Vehicle Operators	53-3000	33
Motorboat Mechanics	49-3051	30
Motorcycle Mechanics	49-3052	30
Musicians, Singers, and Related Workers	27-2040	18
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Natural Sciences Managers	11-9121	9
Network and Computer Systems Administrators	15-1071	11
Nursing Aides, Orderlies, and Attendants	31-1012	20
Nursing, Psychiatric, and Home Health Aides	31-1000	20
Nursing, Psychiatric, and Home Health Aides	31-1010	20
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Occupational Health, Safety Specialists & Tech.	29-9010	19
Occupational Therapists	29-1122	19
Occupational, Physical Therapist Assist. & Aides	31-2000	20
Office Clerks, General	43-9061	27
Operating Engineers, Other Const. Equip. Ops	47-2073	29
Operations Specialties Managers	11-3000	9
Optometrists	29-1041	19
Order Clerks	43-4151	26
Other Construction and Related Workers	47-4000	29
Other Education, Training & Library Occupations	25-9000	17
Other Farming, Fishing, and Forestry Workers	45-9000	28
Other Food Prep. and Serving Related Workers	35-9000	22

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Other Healthcare Pract. & Technical Occs	29-9000	19
Other Healthcare Support Occupations	31-9000	20
Other Installation, Maintenance & Repair Occs	49-9000	30
Other Management Occupations	11-9000	9
Other Office & Administrative Support Workers	43-9000	27
Other Personal Care and Service Workers	39-9000	24
Other Production Occupations	51-9000	32
Other Protective Service Workers	33-9000	21
Other Sales and Related Workers	41-9000	25
Other Teachers and Instructors	25-3000	16
Other Transportation Workers	53-6000	33
Outdoor Power Equip., Other Small Engine Mech.	49-3053	30
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Packers and Packagers, Hand	53-7064	33
Painters, Construction and Maintenance	47-2141	29
Painting Workers	51-9120	32
Parts Salespersons	41-2022	25
Payroll and Timekeeping Clerks	43-3051	26
Pediatricians, General	29-1065	19
Personal and Home Care Aides	39-9021	24
Personal Appearance Workers	39-5000	24
Pharmacists	29-1051	19
Pharmacy Aides	31-9095	20
Pharmacy Technicians	29-2052	19
Photo. Process Work. & Processing Mach. Ops	51-9130	32
Physical Sciences Teachers, Postsecondary	25-1050	16
Physical Scientists	19-2000	13
Physical Therapist Assistants	31-2021	20
Physical Therapist Assistants and Aides	31-2020	20
Physical Therapists	29-1123	19
Physicians and Surgeons	29-1060	19
Pipelayers, Plumbers, Pipefitters & Steamfitters	47-2150	29
Plant and System Operators	51-8000	32
Plumbers, Pipefitters, and Steamfitters	47-2152	29
Police and Sheriff's Patrol Officers	33-3051	21
Police, Fire, and Ambulance Dispatchers	43-5031	26

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Postal Service Clerks	43-5051	26
Postal Service Mail Carriers	43-5052	26
Postal Service Mail Sorters, Processors	43-5053	26
Postal Service Workers	43-5050	26
Postmasters and Mail Superintendents	11-9131	9
Postsecondary Teachers	25-1000	16
Power Distributors and Dispatchers	51-8012	32
Power Plant Operator, Distributor & Dispatcher	51-8010	32
Prepress Technicians and Workers	51-5022	31
Preschool and Kindergarten Teachers	25-2010	16
Preschool Teachers, Except Special Education	25-2011	16
Primary, Secondary & Special Ed. Teachers	25-2000	16
Printers	51-5000	31
Printers	51-5020	31
Printing Machine Operators	51-5023	31
Procurement Clerks	43-3061	26
Production Workers, All Other	51-9199	32
Production, Planning, and Expediting Clerks	43-5061	26
Property, Real Estate & Community Assn Manag.	11-9141	9
Protective Service Workers, All Other	33-9099	21
Psychiatric Technicians	29-2053	19
Psychiatrists	29-1066	19
Public Relations Managers	11-2031	9
Public Relations Specialists	27-3031	18
Pumping Station Operators	53-7070	33
Purchasing Agents and Buyers, Farm Products	13-1021	10
Purchasing Agents, Ex. Wholesale, Retail	13-1023	10
Purchasing Managers	11-3061	9

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Radiologic Technologists and Technicians	29-2034	19
Rail Transportation Workers	53-4000	33
Railroad Brake, Signal, and Switch Operators	53-4021	33
Real Estate Brokers and Sales Agents	41-9020	25
Receptionists and Information Clerks	43-4171	26
Recreation Workers	39-9032	24
Refuse and Recyclable Material Collectors	53-7081	33
Registered Nurses	29-1111	19

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Religious Workers	21-2000	14
Respiratory Therapists	29-1126	19
Respiratory Therapy Technicians	29-2054	19
Retail Sales Workers	41-2000	25
Retail Salespersons	41-2031	25
Rolling Machine Setters, Operators & Tenders	51-4023	31
Roofers	47-2181	29

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Sales and Related Workers, All Other	41-9099	25
Sales Managers	11-2022	9
Sales Representatives, Services	41-3000	25
Sales Reps, Wholesale & Manuf., Ex. Technical	41-4012	25
Sales Reps, Wholesale and Manufacturing	41-4000	25
Sales Reps, Wholesale and Manufacturing	41-4010	25
Sawing Machine Setters, Operators & Tenders	51-7041	32
Sec. School Teach., Ex. Special & Voc. Ed.	25-2031	16
Secondary School Teachers	25-2030	16
Secretaries and Administrative Assistants	43-6000	26
Secretaries and Administrative Assistants	43-6010	26
Secretaries, Admin. Assist., Other Office Support	43-9999	27
Secretaries, Except Legal, Medical, and Executive	43-6014	26
Securities, Commodities, Financial Serv. Sales	41-3031	25
Security Guards	33-9032	21
Service Station Attendants	53-6031	33
Sewing Machine Operators	51-6031	32
Sheet Metal Workers	47-2211	29
Shipping, Receiving, and Traffic Clerks	43-5071	26
Signal and Track Switch Repairers	49-9097	30
Small Engine Mechanics	49-3050	30
Social and Community Service Managers	11-9151	9
Social and Human Service Assistants	21-1093	14
Social Scientists and Related Workers	19-3000	13
Social Workers	21-1020	14
Special Ed. Teachers, Preschool to Elem.	25-2041	16
Special Ed. Teachers, Secondary School	25-2043	16
Special Education Teachers	25-2040	16
Special Education Teachers, Middle School	25-2042	16

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Speech-Language Pathologists	29-1127	19
Stock Clerks and Order Fillers	43-5081	26
Supervisors of Construction Trades & Extraction	47-1011	29
Supervisors of Farming, Fishing, and Forestry	45-1010	28
Supervisors of Food Preparation & Serving Work.	35-1012	22
Supervisors of Helpers, Laborers & Material	53-1021	33
Supervisors of Housekeeping and Janitors	37-1011	23
Supervisors of Install., Maint. & Repair Workers	49-1000	30
Supervisors of Landscaping, Lawn Service	37-1012	23
Supervisors of Mechanics, Install. & Repair Work	49-1011	30
Supervisors of Non-Retail Sales Workers	41-1012	25
Supervisors of Office and Administrative	43-1011	26
Supervisors of Personal Service Workers	39-1021	24
Supervisors of Production and Operating	51-1011	31
Supervisors of Retail Sales Workers	41-1011	25
Supervisors of Transportation & Material Moving	53-1031	33
Supervisors, Building and Grounds Cleaning	37-1010	23
Supervisors, Building, Grounds Cleaning & Maint.	37-1000	23
Supervisors, Construction & Extraction Workers	47-1000	29
Supervisors, Farming, Fishing & Forestry Worker	45-1000	28
Supervisors, Food Prep. & Serving Workers	35-1000	22
Supervisors, Food Prep. & Serving Workers	35-1010	22
Supervisors, Office & Admin. Support Workers	43-1000	26
Supervisors, Personal Care & Service Workers	39-1000	24
Supervisors, Production Workers	51-1000	31
Supervisors, Protective Service Workers	33-1000	21
Supervisors, Protective Service Workers	33-1099	21
Supervisors, Sales Workers	41-1000	25
Supervisors, Sales Workers	41-1010	25
Supervisors, Transp. & Material Moving Workers	53-1000	33
Surgeons	29-1067	19
Surgical Technologists	29-2055	19
Surveyors, Cartographers & Photogrammetrists	17-1020	12
Switchboard Operators, Inc. Answering Service	43-2011	26
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Teacher Assistants	25-9041	17
Teachers, Primary, Secondary & Adult, All Other	25-3999	16

Occupational Title	SOC Code	Page Number
Team Assemblers	51-2092	31
Telecommunications Line Installers & Repairers	49-9052	30
Tellers	43-3071	26
Textile Machine Setters, Operators, and Tenders	51-6060	32
Textile, Apparel, and Furnishings Workers	51-6000	32
Therapists	29-1120	19
Tool and Die Makers	51-4111	31
Top Executives	11-1000	9
Training and Development Specialists	13-1073	10
Transportation, Storage & Distribution Managers	11-3071	9
Transportation, Tourism & Lodging Attendants	39-6000	24
Truck Drivers, Heavy and Tractor-Trailer	53-3032	33
Truck Drivers, Light or Delivery Services	53-3033	33
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Vehicle & Mobile Equip. Mechanics, Installers	49-3000	30
Vocational Education Teach., Sec. School	25-2032	16
Vocational Education Teachers, Middle School	25-2023	16
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Waiters and Waitresses	35-3031	22
Water Transportation Workers	53-5000	33
Water, Liquid Waste Treat. Plant & System Ops	51-8031	32
Welders, Cutters, Solderers, and Brazers	51-4121	31
Welding, Soldering & Brazing Machine Setters	51-4122	31
Welding, Soldering, and Brazing Workers	51-4120	31
Woodworkers	51-7000	32
Woodworking Machine Setter, Operator & Tender	51-7040	32
Woodworking Machine Setter, Operator & Tender	51-7042	32
Word Processors and Typists	43-9022	27
Writers and Editors	27-3040	18
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Zoologists and Wildlife Biologists	19-1023	13